Appl. No. 10/676,829
Amdt. dated May 30, 2007
Reply to Office Action of December 12, 2006

PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1.   (Currently amended) A method for generating a page, the method comprising:

~~determining a data source specification and a layout specification for the page[[,]] the data source specification and layout specification being declaratively specified by a user, the data source specification including access information for a data source;~~

receiving access information declaratively specified by a user during an interactive session, the access information associated with a data source;

receiving layout information declaratively specified by the user during the interactive session, the layout information indicative of a visualization of data in the data source;

determining a data source specification based on the access information;

determining a layout specification based on the layout information;

generating a portlet configured to display data specified by the data source specification according to the visualization indicated by the layout specification;

retrieving data for the data source based on the data source specification and the access information;

determining a layout for the data based on the layout specification; and

generating the page based on the portlet using the data and the determined layout.

2.   (Original)   The method of claim 1, wherein the data source specification comprises a data type for the data source.

3.   (Original)   The method of claim 2, wherein the data type comprises at least one of a spreadsheet data type, XML data type, SQL data type, web service data type, and a web page data type.

Appl. No. 10/676,829
Amdt. dated May 30, 2007
Reply to Office Action of December 12, 2006

PATENT

4.   (Original)   The method of claim 1, wherein the access information comprises a path to the data source.

5.   (Original)   The method of claim 4, wherein the path comprises a URL.

6.   (Original)   The method of claim 1, wherein the data source specification comprises a filtering specification that filters data retrieved from the data source.

7.   (Original)   The method of claim 1, wherein the layout specification comprises at least one of a tabular layout, chart layout, news layout, form layout, and bullet layout.

8.   (Original)   The method of claim 1, wherein determining the layout comprises formatting the retrieved data into the layout.

9.   (Original)   The method of claim 1, wherein the page comprises a web-based page.

10.   (Original)   The method of claim 1, wherein the page comprises a portlet.

11.   (Currently amended)   A method for generating a graphical user interface (GUI), the method comprising:

providing a data source interface that enables a user to declaratively specify access information for a data source during one or more interactive sessions with the data source interface;

determining a declarative specification for the data source based on access information provided by the user during an interactive session with the data source interface;

retrieving data for the data source using the access information;

providing a layout interface that enables the user to declaratively specify a layout for the determined data for the data source during one or more interactive sessions with the layout interface;

determining a layout specification ~~for the determined data~~ <u>based on the layout provided by the user during an interactive session with the layout interface, the layout specification indicative of one or more visualizations of the data for the data source on the graphical user interface</u>; and

generating a graphical user interface based on the declarative specification for the data source and the layout specification ~~for the determined data~~.

12.   (Original)   The method of claim 11, wherein the data source interface comprises one or more data types that enables a user to specify a data type for the data source.

13.   (Original)   The method of claim 12, wherein the one or more data types comprise at least one of a spreadsheet data type, XML data type, SQL data type, web service data type, and a web page data type.

14.   (Original)   The method of claim 12, wherein determining the data comprises using the specified data type and the access information to retrieve the data for the specified data source.

15.   (Original)   The method of claim 11, wherein the access information comprises a URL.

16.   (Original)   The method of claim 11, further comprising providing a filtering interface including filtering options for the retrieved data that enables a user to declaratively specify which data to use in the generated GUI.

17.   (Original)   The method of claim 11, wherein the layout interface comprises one or more layout options that enables the user to declaratively specify a layout type.

18.   (Original)   The method of claim 17, wherein the layout type comprises at least one of a tabular layout, chart layout, news layout, form layout, and bullet layout.

Appl. No. 10/676,829
Amdt. dated May 30, 2007
Reply to Office Action of December 12, 2006

PATENT

19.   (Original)   The method of claim 17, further comprising providing a layout type interface that enables the user to specify how the retrieved data should be laid out in the GUI using the specified layout type.

20.   (Original)   The method of claim 11, wherein the data source interface does not include the access information for the data source before it is declaratively specified by the user.

21.   (Original)   The method of claim 11, wherein the GUI comprises a web-based page.

22.   (Original)   The method of claim 11, wherein the GUI comprises a portlet.

23.   (Currently amended)   A method for declaratively generating a page using an interface, the method comprising:

receiving a declarative specification of access information for a data source, wherein the access information is input by a user during one or more interactive sessions with the interface;

retrieving data using the access information for the data source;

determining layout information for data from the data source during one or more interactive sessions with the interface, the layout information indicative of one or more visualizations of the data on a page; and

generating a page using the retrieved data and the layout information.

24.   (Original)   The method of claim 23, wherein the declarative specification comprises a specification of a data type for the data source.

25.   (Original)   The method of claim 23, wherein the access information comprises a path to the data source.

26.   (Original)   The method of claim 25, wherein the path comprises a URL.

27.   (Original)   The method of claim 23, wherein the declarative specification comprises a filtering specification that filters data retrieved from the data source.

28.   (Original)   The method of claim 23, wherein the page comprises a web-based page.

29.   (Original)   The method of claim 23, wherein the page comprises a portlet.